

A large red square graphic with a white border, containing the text 'Research Experiences for Undergraduates' in white. The text is arranged in three lines, with the first line starting with a large 'R', the second with a large 'E', and the third with a large 'U'.

Research

Experiences for

Undergraduates

What is an REU?

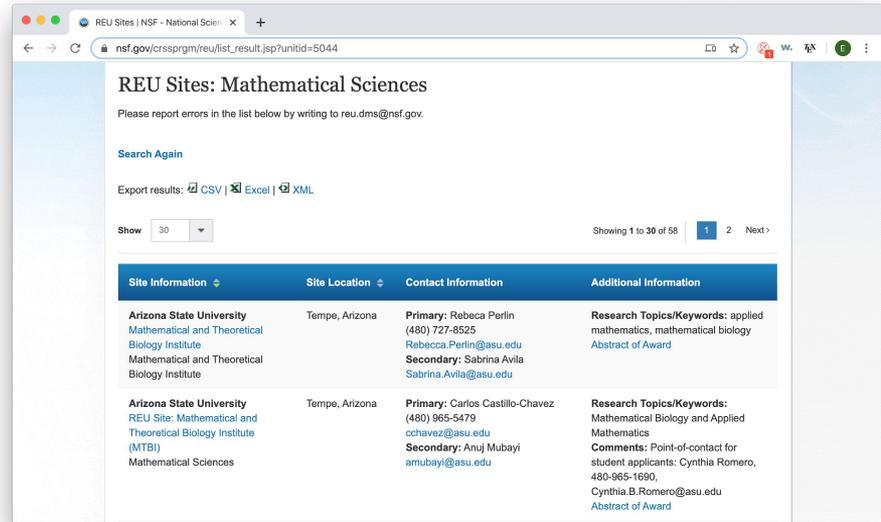
- Research Experiences for Undergraduates.
 - National Science Foundation sponsors over 50 at various institutions
- The academic version of an internship.
 - Supervised research under a professor or other mentor.
 - You do the research, they will guide you along.
- Hosted at universities or other academic institutions.
- Available for pure, applied, computational, biological, etc...
 - If you already have an interest in a particular area, there's a good chance that there is an REU in that field.

Why should I care?

- Often* paid.
 - Stipend for the summer (varies by program)
 - Travel expenses*
 - Housing expenses*
 - Food expenses**
- Help find/define personal research interests.
- Looks GREAT on a graduate school application.
- Potential for presentations and/or publications.
 - Even if you feel like the research itself “amounted to nothing,” people will still want to hear about what you did for the summer!
 - Smaller conferences are great for presenting undergraduate research, especially from REUs.
- Contacts!
 - Not only the professor you work under, but other people you meet at the institution.
 - Diversifies your professional contact pool.

How do I apply?

- Universities will often advertise their own REUs.
- NSF website will list many.
 - Basic search available, but you can download the list as a spreadsheet and search that as well.
 - Links will take you to university websites.
- Pay close attention to requirements and criteria.
 - You do not need to be an “ideal” candidate.
- Caveat: NSF funded programs cannot accept international students.
- Suggestions for the caveat:
 - If you can financially support yourself, contact the program and tell them you don't need a stipend.
 - Look into National Labs (Argonne, Sandia, Oak Ridge, etc...)
 - RIPS-LA (Research in Industrial Projects for Students, UCLA)



REU Sites: Mathematical Sciences

Please report errors in the list below by writing to reu.dms@nsf.gov.

Search Again

Export results: [CSV](#) | [Excel](#) | [XML](#)

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Site Information	Site Location	Contact Information	Additional Information
Arizona State University Mathematical and Theoretical Biology Institute Mathematical and Theoretical Biology Institute	Tempe, Arizona	Primary: Rebeca Perlin (480) 727-8525 Rebecca.Perlin@asu.edu Secondary: Sabrina Avila Sabrina.Avila@asu.edu	Research Topics/Keywords: applied mathematics, mathematical biology Abstract of Award
Arizona State University REU Site: Mathematical and Theoretical Biology Institute (MTBI) Mathematical Sciences	Tempe, Arizona	Primary: Carlos Castillo-Chavez (480) 965-5479 cchavez@asu.edu Secondary: Anuj Mubayi amubayi@asu.edu	Research Topics/Keywords: Mathematical Biology and Applied Mathematics Comments: Point-of-contact for student applicants: Cynthia Romero, 480-965-1690, Cynthia.B.Romero@asu.edu Abstract of Award

What do I need for Applications...

- Make sure to assemble your:
 - Transcript (unofficial copy on-hand, you may need to order official copies)
 - Personal statement
 - Letters of recommendation (~1-3)
 - Curriculum Vitae
- Exactly how these all get submitted, and the number of recommendations required, are entirely dependent on the program.
- DEADLINES

Above All

KEEP ORGANIZED!!!

Links

- Summary of REU program:
 - <https://www.nsf.gov/pubs/2019/nsf19582/nsf19582.htm>
- List of math NSF REU programs:
 - https://www.nsf.gov/crssprgm/reu/list_result.jsp?unitid=5044
- Another list of REU programs:
 - <https://sites.google.com/view/mathreu>
- General info for everyone and advice for non-US citizens:
 - <https://science.iit.edu/applied-mathematics/resources/undergraduates/summer-research-opportunities#non-citizen>
- RIPS-LA
 - <https://www.ipam.ucla.edu/programs/student-research-programs/research-in-industrial-projects-for-students-rips-2020/>

NCSU REU Links

- [DRUMS REU \(NCSU\) Mathematics and Statistics:](#)
- [Integrating Pure and Applied Mathematics 2020 NCSU REU](#)
- [NCSU Link to REU sites](#)
- [NSCU REU Programs](#)
- [University REU Activities](#)